



March, 2, 2005

Mr. Calvin Hoggard  
Manager  
King County Real Estate Services  
500 4th Ave., Room 500  
Seattle, WA. 98104

RE: PCB Site Characterization report for Surrey Downs Children's Center:  
PCB Remediation and Clearance Report

Dear Mr. Hoggard:

Prezant Associates, Inc (Prezant) is pleased to present the attached report of the remediation of the performed after the removal of PCB contaminated materials identified during the Site Characterization Study at the Surrey Downs Children's Center in Bellevue, Washington. This remediation and clearance report should be used in conjunction with the PCB Site Characterization Report submitted to you on November 16, 2004 to document the level of effort in this remediation program. The removal and disposal of contaminated material was performed by employees of the King County HazMat staff. Prezant conducted post-removal sampling to verify site-cleanup based on the requirements of 40 CFR §§ 761.62(a)(6)(i)-(ii) as outlined in the Environmental Protection Agency (EPA) approval letter of King County's PCB cleanup proposal.

We appreciate the opportunity to be of service to you. If you have any questions regarding this report, please feel free to contact me at (206) 281-8858.

Sincerely,

A handwritten signature in black ink, appearing to read "Katja Jacob".

Katja Jacob  
Senior Industrial Hygienist  
Prezant Associates, Inc.

*Enclosures:*

PCB Remediation and Clearance Report Surrey Downs Children's Center  
Laboratory Results, Field Notes

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SURREY DOWNS CHILDRENS CENTER:  
FINAL SITE REMEDIATION AND CLEARANCE REPORT

PAGE 1 OF 13

# **PCB Remediation and Clearance Report: Surrey Downs Children's Center**

## ***Executive Summary***

A total of 24 samples were collected to confirm the removal of PCB contamination at the Surrey Downs Children's Center. Samples were analyzed for PCB's utilizing EPA SW-846 Method 8082. Two of the initial confirmation samples contained PCB concentrations above the cleanup level of 1.0 milligrams/kilogram (mg/kg) or 1.0 parts per million (ppm). Additional removal of flooring material was performed, until subsequent additional confirmation samples in those two areas showed that the remaining PCB levels were below the cleanup levels.

Please see **Table 1** for a listing of all confirmation samples. Please see **Table 2** for a listing of the units in the Surrey Downs Children's Center and a summary of the actions taken to remediate the units to PCB concentrations below the cleanup level of 1.0 ppm.

Please see **Figure A-1** in Appendix A for a drawing of the site with the locations off all confirmation samples including the analysis results. **Figure A-2** shows sample locations and results of the samples that established the remediation were successful after the more intensive level of remediation in each unit were completed.

Appendix B contains the analysis reports from the laboratories that analyzed the samples.

Appendix C contains the disposal documentation for all material that were removed from the site and been disposed of appropriately by King County.

The Surrey Downs Children's Center, after the remediation work has been completed, can be considered free of PCB-contamination. This was established through confirmation sampling and analysis. All final confirmation samples that were analyzed were found to be less than the PCB below the cleanup level of 1.0 mg/kg (1.0 ppm).



## **Introduction**

This report summarizes the Self-Implemented Remediation conducted under 40 CFR Part 761.61 (a) at the Surrey Downs Children's Center, located at 609 112<sup>th</sup> Avenue SE, Bellevue, Washington. The remediation was conducted by King County Facilities Management Division (FMD) and included removal and proper disposal of polychlorinated biphenyl (PCB) contaminated floor coverings, light fixtures, and PCB contaminated light ballasts resulting from the light ballasts leaking. All work was performed in accordance with the proposed cleanup recommendations presented in the *PCB Site Characterization Report for Surrey Downs Children's Center* (Prezant, November, 2004), and the letter from Mr. Scott Downey, EPA Region 10, dated December 8, 2004. Site cleanup work was performed by King County Hazardous Waste Abatement personnel. Site characterization sampling, confirmation sampling, and preparation of the site characterization report and this final report were performed by Prezant Associates, Inc.

## **Site Description**

Surrey Downs Children's Center is located in the south wing of the former Surrey Downs Elementary School. The south wing includes seven rooms (see Figure A-1 (a) and (b)). An open area divides three of the rooms from the other four. For purposes of sampling and cleanup planning of floor coverings, the floor areas of the seven rooms were divided into 16 units, including A1 through A4 (subunits A2A and A2B), B1 through B4, C1 through C4, and D1 through D3.

## **PCB Waste Removal**

PCB wastes removed from the Surrey Downs Children's Center included fluorescent light fixtures (ballasts and lamps removed) from all of the rooms, and carpeting and floor tiles from unit C2 where PCBs were detected at levels of 50 parts per million and above on the materials samples. Also included were plastic sheeting and disposable protective clothing used by cleanup personnel during removal. These wastes were removed in December, 2004 and packaged into 26 DOT approved "Maverick" boxes for transport as PCB wastes. The total weight of these wastes was approximately 6,634 pounds. Onyx Environmental Services provided collection, transport, and disposal of these wastes, which were transported to the hazardous waste landfill operated by Chemical Waste Management, Inc. in Arlington, Oregon, a federal and state permitted hazardous waste landfill. Waste Manifests and Certificates of Disposal for these wastes are included in Appendix A.

Following removal of the carpeting and floor tiles, confirmation samples were collected from underlying surfaces. Results of all samples are summarized in Table 1. Table 2 gives an overview of remediation activities on a room-by-room basis.



## ***PCB Contaminated Carpeting Removal***

PCB contaminated carpeting is carpeting where PCBs were detected at levels of 1.0 ppm or greater, but less than 50 ppm. This included carpeting in units B1, B3, and B4. Carpeting in these areas were removed, wrapped in plastic sheeting, and disposed of at the Cedar Hills Landfill, a state regulated municipal solid waste landfill. Prior to transport and disposal, approval for disposal was granted by the Seattle King County Health Department (see Appendix C).

Following removal of the carpet in these areas, confirmation samples were collected and low levels of PCBs were present in a remaining layer of foam padding in units B1 and B4 ranging from 0.5 to 1.3 ppm (see Table 1). Subsequently, in these two rooms the foam padding, along with an underlying tile layer containing asbestos, were removed and were also disposed of at the Cedar Hill Landfill following approval from the Health Department (see Appendix B). After removal of the foam and tile layers, confirmation samples were collected from the underlying mastic layer and PCBs were not detected.

## ***PCB Containing Light Ballasts***

PCB containing light ballasts were removed from each fluorescent light fixture where ballasts were not labeled "non-PCB". Once removed, the ballasts were placed in a DOT approved drum for storage prior to collection and transport by Onyx Environmental Services to their incinerator facility in Port Arthur, Texas. The Certificate of Destruction of the PCB containing ballasts was not available at the time of this report, but will be forwarded to EPA as soon as it is received by King County.

## ***Other suspected PCB contaminated Items***

**Wooden Beam in Unit D2:** An area of dark staining on a horizontal wooden beam in unit D2 were wipe-sampled by EPA and PCBs were detected in the sample. During the confirmation sampling, bulk samples were collected from the wooden beam to determine whether the beam contained more than 1.0 ppm PCB. Three samples (Sample numbers 216, 217, and 218) were collected from this wooden beam by drilling into the beam and collecting the drill shavings in glass containers. The samples were analyzed according to EPA method 8082 and PCBs were not detected. The beam was therefore considered not to be contaminated with PCBs above the cleanup-level of 1.0 ppm. This approach were discussed with and verbally approved by Mr. Daniel Duncan of the EPA prior to the sampling. It is conceivable that the beam had a surface contamination when the EPA wipe-sampled it and that in the process of wipe-sampling the contamination might have been removed. To determine whether the painted wooden beam was to be considered PCB contained, the appropriate method is to obtain and analyze a bulk sample, since the beam is to be considered a "porous material". Thus the beam was determined to not contain PCBs above the cleanup level. The beam remains in place and can be considered "clean" based on the results of the clearance samples.



**Wooden Platform in Unit C2:** A wooden platform in unit C2 was sampled to determine whether it contained PCBs above the cleanup level. The platform was located close to the areas in Unit C2 where two of the carpet samples were found to contain PCB concentrations greater than 50 ppm. It was considered prudent by King County to determine whether that platform was contaminated and was to be disposed of together with the carpet from this room as PCB containing waste with PCB concentrations above 50 ppm.

Three Samples (201, 202 and 203) were collected from this wooden platform by drilling and breaking wood chips and collecting the material in glass containers. The wood chips were analyzed and found not to contain PCBs above the detection limit of the samples, which was below the cleanup-level. The wooden platform, based on these results, was considered to be non-PCB waste and was disposed of as construction debris.

## ***Sample Collection and Laboratory Analysis***

### ***Objectives***

The objective of the clearance sampling was to verify that the remediation efforts were successful in removing PCB contaminated material above the cleanup level of 1 ppm.

### ***PCB Clearance Sampling Procedures***

This site characterization was conducted in accordance with standardized EPA sampling protocols. All samples followed standardized chain of custody procedures. Laboratory analysis was conducted following EPA Method 540.P-87.001 for bulk samples. The protocol is as follows:

#### **Porous materials: Carpet Pad and Floor Tile Mastic and Wood**

Three clearance samples per unit were collected in units that were found to contain carpet with PCB concentrations greater than 1 ppm. These were the units B1, B3, B4 and C2. Unit C2 was the one unit where PCB concentrations > 50 ppm were detected in the carpet samples during the site characterization.

All confirmation samples were collected as "bulk samples", i.e. a portion of the material was cut or drilled out and analyzed for PCB content, based on a weight concentration [mg/kg] rather than a n area surface contamination [ $\mu\text{g}/100\text{ cm}^2$ ]

Some samples were collected of carpet padding, others of wood shavings, and a third group was collected of floor tile mastic. Due to the nature of the different matrices, the size of the samples varied.

Carpet pad, mastic and wood samples were collected as bulk samples. The carpet pad bulk sample was collected by scraping the carpet pad using a pre-cleaned putty knife. The carpet pad material was then collected in an 8-ounce glass sample jar. The wood samples were collected using a pre-cleaned drill bit as well as a pre-cleaned knife. The wood drill shavings were collected in a glass container. The floor tile mastic samples were collected using a pre-cleaned chisel and a hammer. The



pieces of mastic were then collected in an 8-ounce glass sample jar. The area where the mastic sample was to be collected were wetted thoroughly to avoid exposure to Asbestos fibers that were suspected to be a component of the mastic.

The Sampling Procedure for bulk samples was as follows:

1. Determine sample location based previous sampling locations.
2. Note location in field notes, chain of custody and field drawings.
3. Prepare sample jar (write field sample ID and other necessary information on jar sticker).
4. Wear two pair of clean gloves. (For the outer gloves surgical latex gloves were used, while the inner gloves were blue nitrile gloves.)
5. Use the cleaned tools to loosen the sample from its matrix.
6. Place the sample in the jar. Seal securely.
7. Pre-clean blade and handle of tool from utilizing baby wipes and Kimwipes ® EX-L.
8. Replace the outer pair of gloves after each sample. Discard gloves.
9. Clean tool with Kim-wipes and n-hexane.

## **PCB Laboratory Analysis**

The samples were analyzed using Gas Chromatography/Electron Capture Detector (GC-ECD) according to EPA SW-846 Method 8082

Laboratory analytical services were provided by Severn Trent Laboratories (samples numbered 207 through 306) and Spectra Laboratories (samples numbered 201 through 206), both located in Tacoma, Washington and certified by the Washington State Department of Ecology for PCB analysis.

## **PCB Confirmation Sampling Results**

The results of the confirmation samples are summarized in Table1. The laboratory reports can be found in Appendix B.

### **Unit C2:**

The carpet in Unit C2, as well as the underlying floor tile were removed and disposed of. Three samples of the floor tile mastic were collected and analyzed following EPA Method 8082 for the presence of PCB. **No PCB was detected in any of the three clearance samples in Unit C2.** The samples were collected in the same area where the characterization samples were collected.

### **Unit B3:**

After the carpet in unit B3 was removed, three clearance samples of the underlying carpet pad were collected and analyzed following EPA Method 8082 in the areas where the previously positive characterization samples were collected. **No PCBs were found in these three clearance samples in Unit B3.**



#### **Units B1 and B4:**

Following the "clearance" sampling results in Unit B3, it was decided by Prezant and King County to use the same approach for the remaining units B1 and B4, i.e. to remove the carpet and leave the tile in the units.

A total of six clearance samples of the carpet pad were collected in the two units (three in each unit) after the carpet was removed in units B1 and B4. Of these samples, two samples, one in each Unit, were analyzed and found to contain PCBs slightly above the clearance level of .01 ppm. Because of the difficulty in removing the foam padding from the underlying floor tile, King County opted to remove the floor tile in these two rooms as well and dispose of it as low level PCB containing waste. ***The subsequent confirmation samples collected in Units B1 and B4 of the floor tile mastic all did not contain PCBs.***

In Appendix A, figures A-1 (a) and A-1 (b) show the locations and results of all confirmation samples, including those samples in Units B1 and B4 that were above the cleanup level and required additional remediation..

Figures A-2 (a) and A-2 (b) show the locations of the relevant clearance samples in the building, i.e. the samples that were collected after the final remediation was performed in each unit.

#### **Estimated Cleanup Costs**

King County has estimated the cleanup cost at the Surrey Downs Children's Center at \$81,500. An approximate breakdown of these costs is as follows:

Consultant Services: \$32,000

(Includes site characterization sampling and reporting, cleanup plan preparation, confirmation sampling, laboratory testing, and final report preparation)

County Labor - site cleanup: \$20,000

(Includes approximately 235 hours for county hazmat crew and electricians at average billing rate of \$85 per hour)

Hazardous waste collection transport and disposal: \$4,500

County project management & administration: \$20,000

(Includes approximately 200 hours at average billing rate of \$100 per hour for meetings, planning, contracting, regulatory compliance, and other project coordination)

Miscellaneous expenses: \$5,000

(Includes miscellaneous supplies such as polyethylene sheeting, DOT approved waste containers, scale rental, non-hazardous waste disposal)



**Table 1 Confirmation Samples, locations, results**

Sample ID	Location	Matrix	PCB Results		Action taken/Comment
201-C2-Wood-CL01	Unit C2 – Wooden Platform	Wood; drill shavings	None detected		
202-C2-Wood-CL02	Unit C2 – Wooden Platform	Wood; drill shavings	None detected		
203-C2-Wood-CL03	Unit C2 – Wooden Platform	Wood; drill shavings	None detected		
204-B3-CL-01	Unit B3 – 485 cm; N, 280 cm W	Carpet Pad	0.09 mg/kg		Below cleanup level of 1 ppm
205-B3-CL-02	Unit B3 – 40 cm W; 165 cm S	Carpet Pad	0.06 mg/kg		Below cleanup level of 1 ppm
206-B3-CL-03	Unit B3 – 130 cm N; 170 cm W	Carpet Pad	0.13 mg/kg		Below cleanup level of 1 ppm
207-B1-CL-01	Unit B1 – 400 cm S; 57 cm E	Carpet Pad	1.33 mg/kg	*	Carpet pad and floor tile removed, re-sampled
208-B1-CL-02	Unit B1 – 98 cm S; 540 cm E	Carpet Pad	0.496 mg/kg		Carpet pad and floor tile removed, re-sampled
209-B1-CL-03	Unit B1 – 270 cm; W, 366 S	Carpet Pad	0.674 mg/kg		Carpet pad and floor tile removed, re-sampled
210-B4-CL-01	Unit B4 – 170 cm; W, 407 cm N	Carpet Pad	0.685 mg/kg		Carpet pad and floor tile removed, re-sampled
211-B4-CL-02	Unit B4 – 36 cm E; 486 cm N	Carpet Pad	0.938 mg/kg		Carpet pad and floor tile removed, re-sampled
212-B4-CL-03	Unit B4 – 32 cm N; 477 cm E	Carpet Pad	1.08 mg/kg	*	Carpet pad and floor tile removed, re-sampled
213-C2-CL-01	Unit C2 – 303 cm W; 377 cm S	Carpet Pad	None detected		
214-C2-CL-02	Unit C2 – 105 cm S; 320 W	Carpet Pad	None detected		
215-C2-CL-03	Unit C2 – 284 cm W; 260 cm S	Carpet Pad	None detected		
216-D2-CL-01-Beam	Beam W side – 325 cm N	Wood; drill shavings	None detected		
217-D2-CL-02-Beam	Beam W side – 200 cm N	Wood; drill shavings	None detected		
218-D2-CL-03-Beam	Beam E side – 476 cm S	Wood; drill shavings	None detected		
301-B1-CL2-01	Unit B1 – 74 cm E; 362 cm S	Floor Tile Mastic	None detected		
302-B1-CL2-02	Unit B1 – 554 cm E; 30 cm S	Floor Tile Mastic	None detected		
303-B1-CL2-03	Unit B1 – 250 cm E; 426 cm S	Floor Tile Mastic	None detected		
304-B4-CL2-01	Unit B4 – 120 cm E; 352 cm N	Floor Tile Mastic	None detected		
305-B4-CL2-02	Unit B4 – 320 cm N, 182 cm W	Floor Tile Mastic	None detected		
306-B4-CL2-03	Unit B4 – 110 cm N; 330 cm E	Floor Tile Mastic	None detected		

\* Sample PCB concentration is above the clean-up level

**Table 2: Remediation Actions taken. Per unit/status**

Unit	PCB issues as determined during Site Characterization	Remediation Action	Confirmation Sample	Status
A-1	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
A-2 A/B	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
A-3	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
A-4	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
B-1	PCB containing Ballasts Light Fixtures Carpet (<50 ppm)	Remove PCB Ballasts Remove Light Fixtures Remove Carpet, Carpet pad & underlying tile	N/A N/A 301, 302, 303: all <1 ppm PCB	PCB <1 ppm
B-2	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
B-3	PCB containing Ballasts Light Fixtures Carpet (<50 ppm)	Remove PCB Ballasts Remove Light Fixtures Remove Carpet	N/A N/A 204, 205, 206: all <1 ppm PCB	PCB <1 ppm
B-4	PCB containing Ballasts Light Fixtures Carpet (<50 ppm)	Remove PCB Ballasts Remove Light Fixtures Remove Carpet, Carpet pad & underlying tile	N/A N/A 304, 305, 306: all <1 ppm PCB	PCB <1 ppm
C-1	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
C-2	PCB containing Ballasts Light Fixtures Carpet (>50 ppm)	Remove PCB Ballasts Remove Light Fixtures Remove Carpet, Carpet pad & underlying floor tile	N/A N/A 213, 214, 215	PCB <1 ppm
C-3	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
C-4	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
D-1	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
D-2	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
D-3	PCB containing Ballasts Light Fixtures	Remove PCB Ballasts Remove Light Fixtures	N/A N/A	PCB <1 ppm
D2	Wooden beam (suspected PCB contamination)	Collected bulk samples to determine level of PCB contamination.	216, 217, 218: : all <1 ppm PCB	PCB <1 ppm

## Conclusions

All materials that were determined during the Site Characterization as described in the PCB Site Characterization Report submitted to you on November 16, 2004 to contain PCB above the cleanup level of 1 ppm have been removed and disposed of as per the EPA approval letter dated December 08, 2004.

Appendix A-1 shows a floor plan of the site including the location and results of all confirmation samples collected. Included are those areas where further remediation and subsequent confirmation sampling were done (Units B1 and B4) after the first round of confirmation samples showed two samples having PCB concentrations slightly above the cleanup level of 1 ppm. Appendix A-2 shows a floor plan of the site including the location and results of the "clearance samples", meaning those samples that established that the units were remediated to levels below cleanup level. Copies of the laboratory analysis reports can be found in Appendix B.

The disposal documents are attached in Appendix C.

The Surrey Downs Children's Center after the remediation work is considered free of PCB-contamination above the cleanup level of 1 ppm.

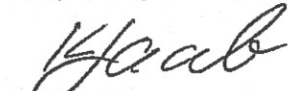
## Limits of Survey

This survey was undertaken to verify and to provide data to document through confirmation samples that the PCB's were cleaned up according to the plan that were approved by the EPA Region 10 in their letter dated December 8, 2004.

Prezant makes no warranty for its work and provides no guarantee that the survey has identified all potential sources of contamination at this site.

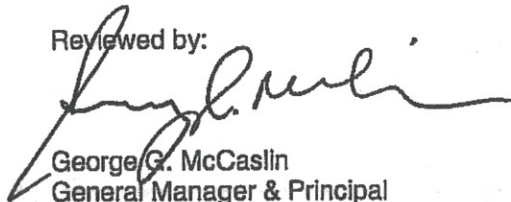
It has been a pleasure working with the county on this project.

Respectfully submitted,



Katja Jacob  
Senior Industrial Hygienist  
Prezant Associates, Inc.

Reviewed by:



George G. McCaslin  
General Manager & Principal  
Analytical Chemist  
Prezant Associates, Inc.



# Appendix A:

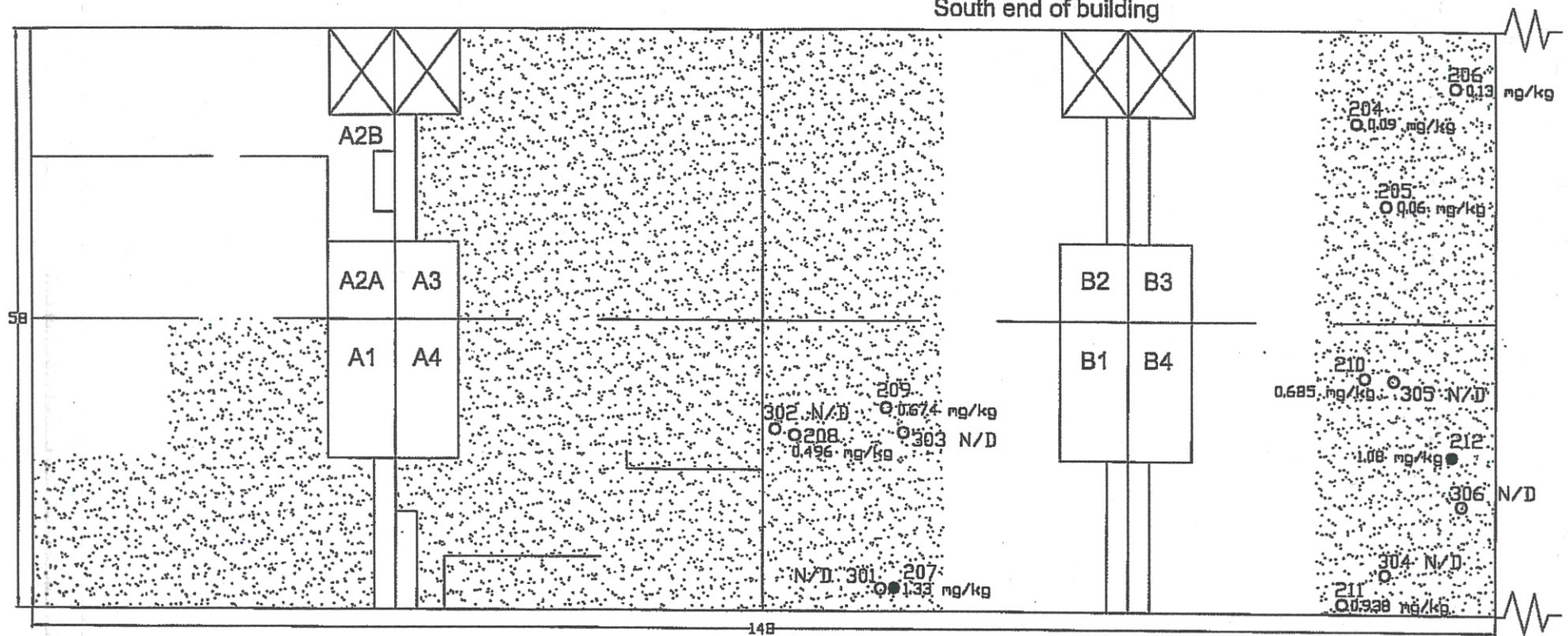
**Figure A-1: Drawing with Locations and Sample Results of All PCB Confirmation Samples (including samples in those areas that had subsequently been further remediated)**

**Figure A-2: Drawing with Locations and Results of the PCB Clearance Samples after completed Remediation**

Sample ID	Location	Result
1	Area A	0.05
2	Area B	0.05
3	Area C	0.05
4	Area D	0.05
5	Area E	0.05
6	Area F	0.05
7	Area G	0.05
8	Area H	0.05
9	Area I	0.05
10	Area J	0.05
11	Area K	0.05
12	Area L	0.05
13	Area M	0.05
14	Area N	0.05
15	Area O	0.05
16	Area P	0.05
17	Area Q	0.05
18	Area R	0.05
19	Area S	0.05
20	Area T	0.05
21	Area U	0.05
22	Area V	0.05
23	Area W	0.05
24	Area X	0.05
25	Area Y	0.05
26	Area Z	0.05

Surrey Downs Children's Center  
609 112th Avenue SE  
Bellevue, WA

Figure A-1(a). Locations and Sample Results of All  
PCB Confirmation Samples  
South end of building

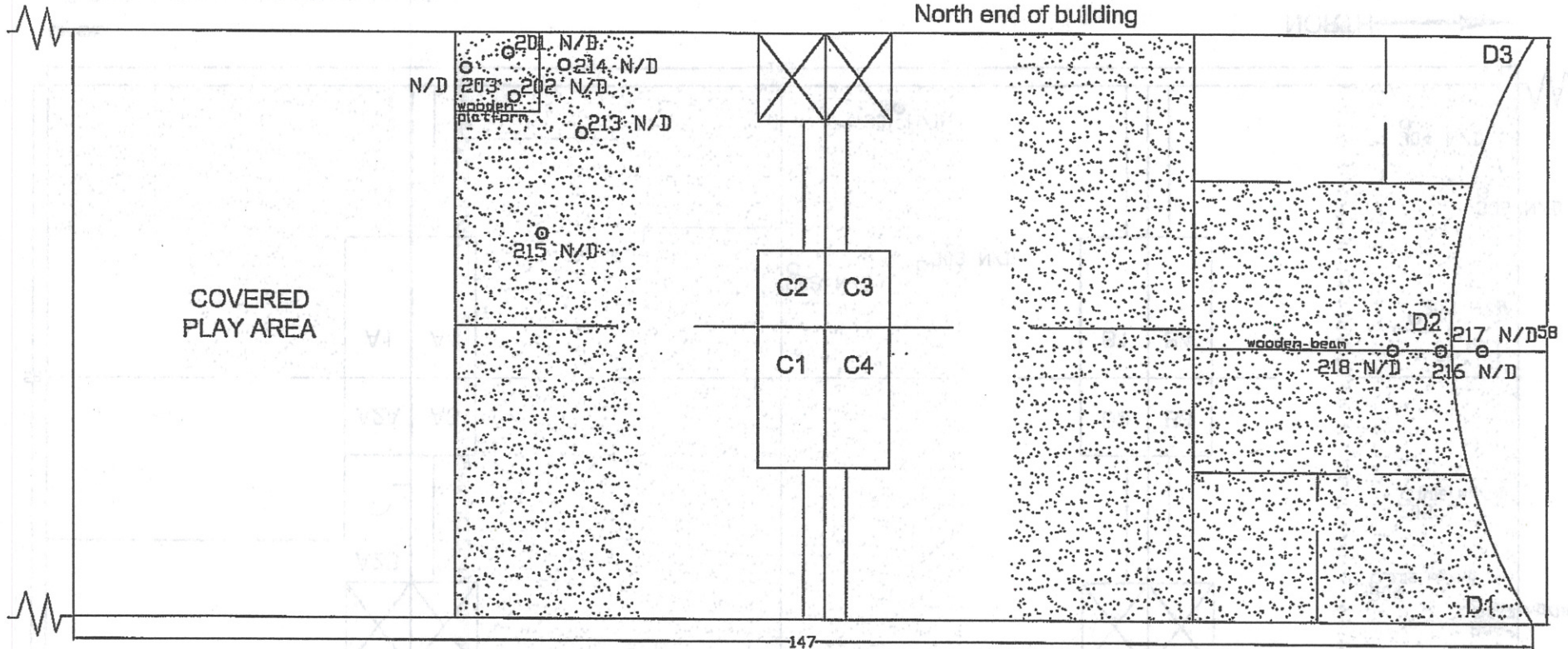


NORTH →

Title: Figure A-1(a)	Drawn by: M. Uber
Revision: 1	Review by: K. Jacob
Date: 02/28/05	Job #: K138-0010
Scale: 1"=10'	Task: 01

Surrey Downs Children's Center  
609 112th Avenue SE  
Bellevue, WA

Figure A-1(b). Locations and Sample Results of All PCB Confirmation Samples  
North end of building



LEGEND:

- Samples containing PCBs above clean-up level of 1 mg/kg
- Samples containing no PCBs above clean-up level of 1 mg/kg

N/D None detected

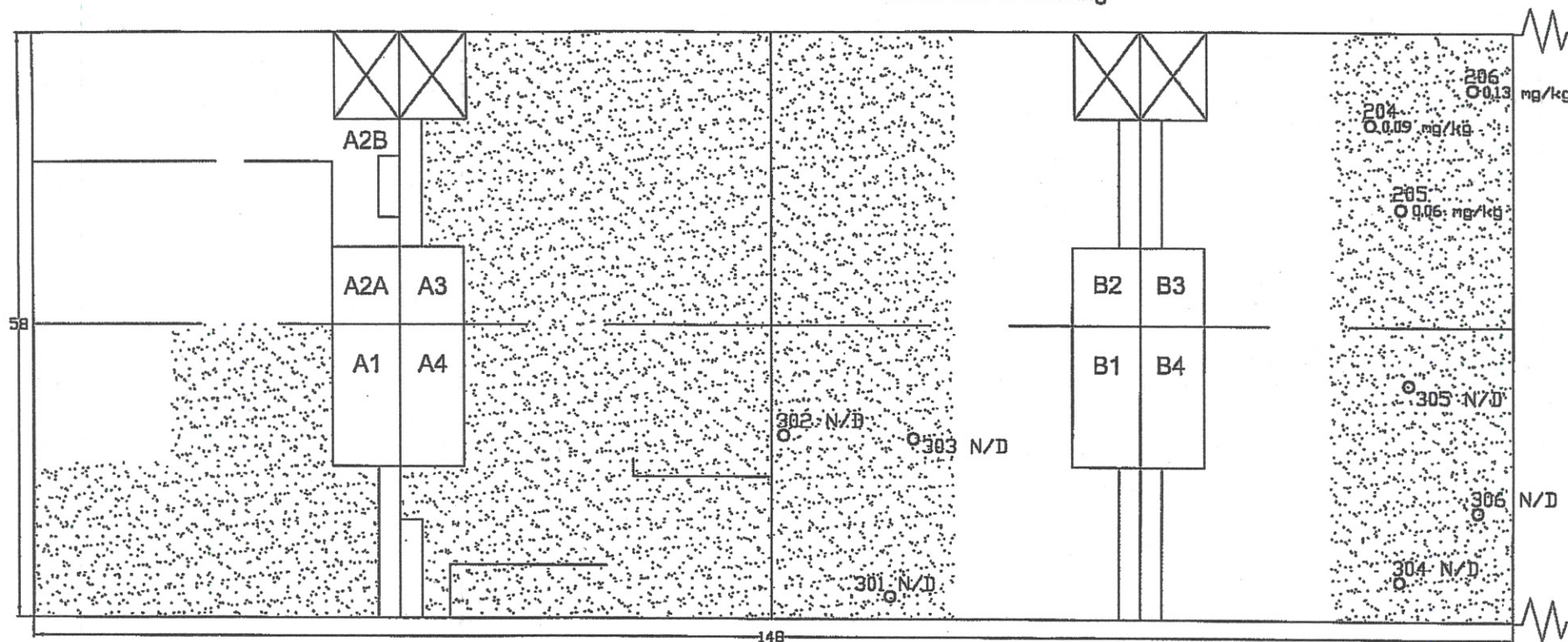
Carpeting

NORTH →

	Title: Figure A-1(b)	Drawn by: M. Uber
	Revision: 1	Review by: K. Jacob
	Date: 02/28/05	Job #: K138-0010
	Scale: 1"=10'	Task: 01

Surrey Downs Children's Center  
609 112th Avenue SE  
Bellevue, WA

Figure A-2(a). PCB Clearance Samples After Remediation  
South end of building




LEGEND:

- Samples containing PCBs above clean-up level of 1 mg/kg
- Samples containing no PCBs above clean-up level of 1 mg/kg

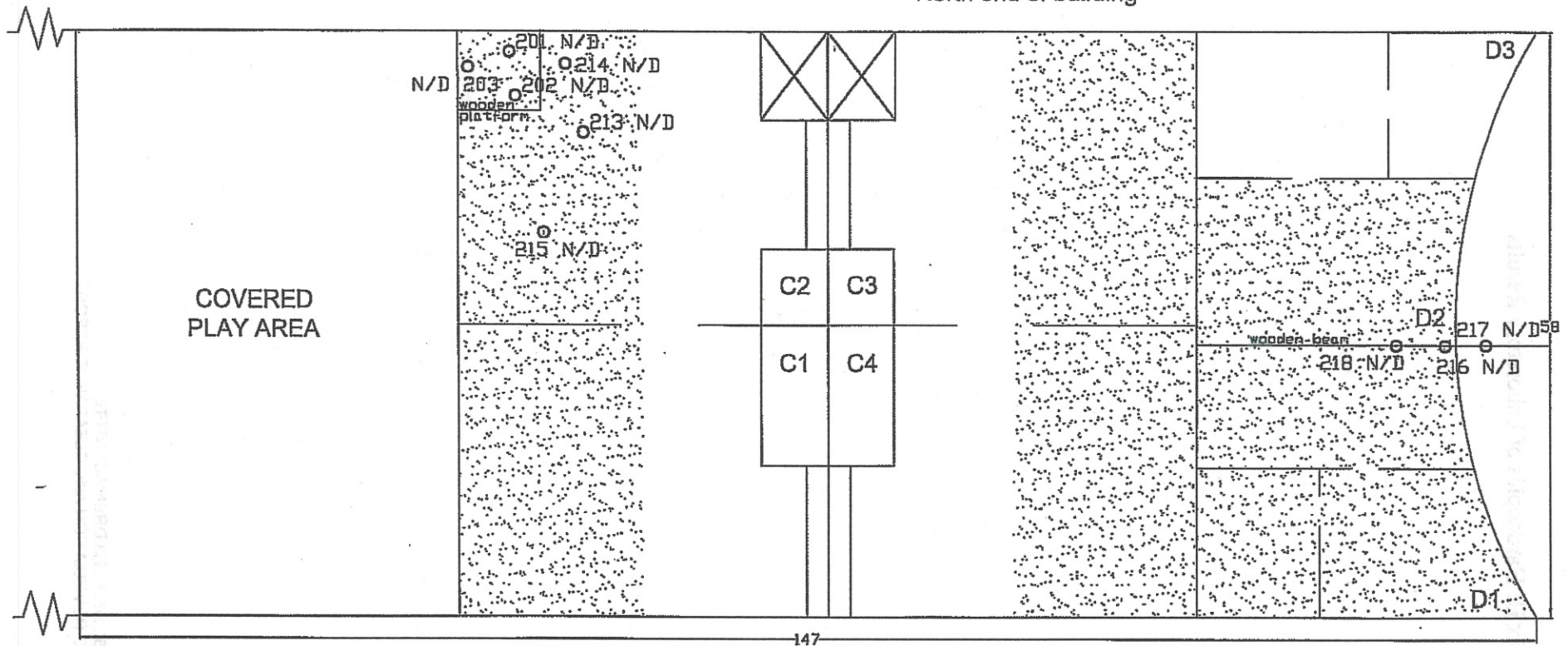
N/D None detected

Carpeting

 <b>Prezant</b>	Title: Figure A-2(a)	Drawn by: M. Uber
	Revision: 1	Review by: K. Jacob
	Date: 02/28/05	Job #: K136-0010
	Scale: 1"=10'	Task: 01

Surrey Downs Children's Center  
609 112th Avenue SE  
Bellevue, WA

Figure A-2(b). PCB Clearance Samples After Remediation  
North end of building



LEGEND:

- Samples containing PCBs above clean-up level of 1 mg/kg
- Samples containing no PCBs above clean-up level of 1 mg/kg
- N/D None detected
- Carpeting

NORTH →

	Title: Figure A-2(b)	Drawn by: M. Uber
	Revision: 1	Review by: K. Jacob
	Date: 02/28/05	Job #: K136-0010
	Scale: 1"=10'	Task: 01

## **Appendix B: Hardcopies of Laboratory Results**



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Project Surreydon

Page 1 of 1

Job Number K136 0010-00

Description Clearance Samples

Date 12-15-04

Made By KJ

Notes

Rooms B1, B4, C2  
Toddlers East 'Preschool 3 East' Preschool 4 (West)

Sample ID	Location	Substrate	Type	Area
207-B1-CL-01	Square 10: Site of sample 44, 4mm off SW, 57cm off East wall			
208-B1-CL-02	28cm SWall, 540cm East Wall			
209-B1-CL-03	270 W Wall, 360 SWall			
210-B4-CL-01	170 W Wall, 407 N Wall	foam	Bulk	
211-B4-CL-02	36 E Wall, 486 W → site of sample 67	foam	Bulk	
212-B4-CL-03	432 N Wall, 477 E Wall	foam	"	
213-C2-CL-01	303 W Wall, 377 SWall: Street	Waste		
214-C2-CL-02	108 SWall, 320 W Wall	"		
215-C2-CL-03	284 W Wall, 260 J Wall			
216-D2-CL-01	Beam sandwich wooden beam D2, 325 off W Wall, 45cm below ceiling East side of beam	wood chips		Wood chips, wood shavings, sawdust
217-D2-CL-02	Beam - 6m top of suspended 2m N Wall, 16-22cm below ceiling	wood chips		
218-D2-CL-03	Beam beam East side 45cm below ceiling / 4.76cm off SWall	wood chips		



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Project King County Page 1 of 1  
Summerview Daycare Job Number 1C136-0010-00  
Description \_\_\_\_\_ Date 12-13-06  
Made By lgroob  
Notes Preliminary Clearance Samples  
to verify carpet pad <sup>trees</sup> can remain

Sample ID	Location	Type	Comments
01- C2- Wood-CL-01	Platform C2 - 151cm SWall - 61cm W wall	Bulbs	San dust + wood pieces
02 C2- Wood-CL-02	" 170cm SWall; 193 W wall	"	"
03 C2- Wood-CL-03	33cm SWall 110cm W wall	"	"
04- B3- CL-01	Preschool 3 236 W Wall 0/3m		carpet pad
05- B3- CL-02	4.8m W; 116.5 South 1/2m		in Preschool 3
06- B3- CL-03	130 North Wall 170 W wall		

Project BelleVue Daycare

Page 1 of 1

Job Number K1360010-00

Description 2nd round of Clearance

Date 1/25/05

samples. Carpet + foam + floor tiles

Made By 14

Notes had been removed after 1st round of clearance  
samples had returned some > 1ppm levels

Sample Name	Location	Type
1) 301-B1-CL2-01	Unit B1 } 74cm E, 362 S Wall	Hastic } carpet + floor tile had been removed after 1st round of CL.
2) 302-B1-CL2-02	former carpet side } 554cm E, 30cm S Wall	
3) 303-B1-CL2-03	side } 550cm E, 426cm S Wall	
4) 304-B4-CL2-01	Unit B4 } 120 E, 352 N Wall	Hastic } carpet, floor tile + foam was removed
5) 305-B4-CL2-02	former carpet side } 320cm N, 182 W Wall	
6) 306-B4-CL2-03	side } 110 cm N, 330 cm E Wall	

Samples collected: 1/25/05 - 1300 - 1400  
by K Jacob

Relinquished: 1/25/05 1430  
K Jacob

P.O. #: 12578

6 Samples of Hastic. Analysis: PCB

Please send results to  
Kjacob@prezant.com  
regular TAT

Call 206-579-4824 w/ any questions 14



## SPECTRA Laboratories

---

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838

12/16/04

Prezant Associates  
330 6<sup>th</sup> Avenue North, Suite 200  
Seattle, WA 98109  
Attn: Jerry McCaslin

### Case Narrative

Client Project: King County Surrey Downs  
Spectra Project: 2004120163

Six samples were submitted for rush PCB analysis. Samples #1-#3 were wood chips. Sample #4-#6 were foam material.

The wood chip samples were tested and found to be non-detect for PCB's. The foam samples each contained PCB's initially identified and quantified as arochlor 1248. When submitted to the client, the client questioned the presence of this arochlor, as apparently type 1248 had not been found in samples analyzed previously at another laboratory.

Upon further review of the chromatograms, the contamination was identified and quantified samples as arochlor 1254. These two arochlors are similar and share many of the same peaks. The results of the three foam samples are lower than those reported originally, as the response factor of arochlor 1254 is different than that of 1248.

Chromatograms of arochlors 1248 and 1254 are enclosed, along with those of the samples and method blank. As you can see, the foam samples contain many peaks to which the ECD responds, though they are not found in either arochlor. We apologize for any inconvenience this may have caused.

Please feel free to call with any questions regarding these results, or if you require any further information regarding these samples.

Sincerely



Steven G. Hibbs  
Laboratory Manager



# SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838


12/16/2004

Prezant Associates  
330 6th Avenue North  
Suite #200  
Seattle, WA 98109  
Attn: Jerry McCaslin

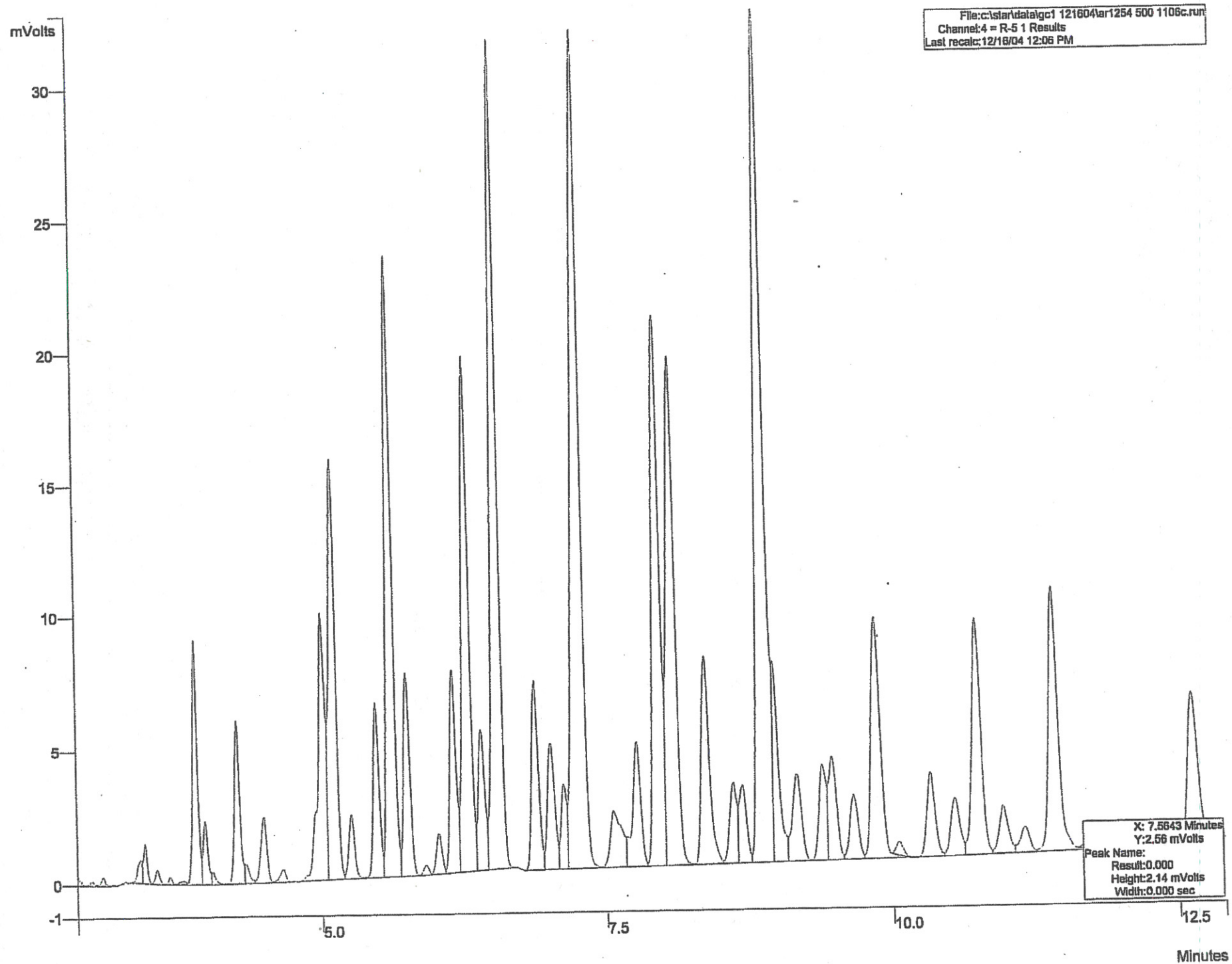
P.O.#: Pd CC 017783  
Project: King County Surrey Downs  
Date Received: 12/14/2004  
Spectra Project: 2004120163  
Rush

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
201-C2-Wood-CL01	1	PCB	<0.01	mg/Kg	SW846 8082	Wood Chips	12/13/2004
202-C2-Wood-CL02	2	PCB	<0.01	mg/Kg	SW846 8082	Wood Chips	12/13/2004
203-C2-Wood-CL03	3	PCB	<0.01	mg/Kg	SW846 8082	Wood Chips	12/13/2004
204-B3-CL-01	4	PCB AR1254	0.09	mg/Kg	SW846 8082	Solid	12/13/2004
205-B3-CL-02	5	PCB AR1254	0.06	mg/Kg	SW846 8082	Solid	12/13/2004
206-B3-CL-03	6	PCB AR1254	0.13	mg/Kg	SW846 8082	Solid	12/13/2004

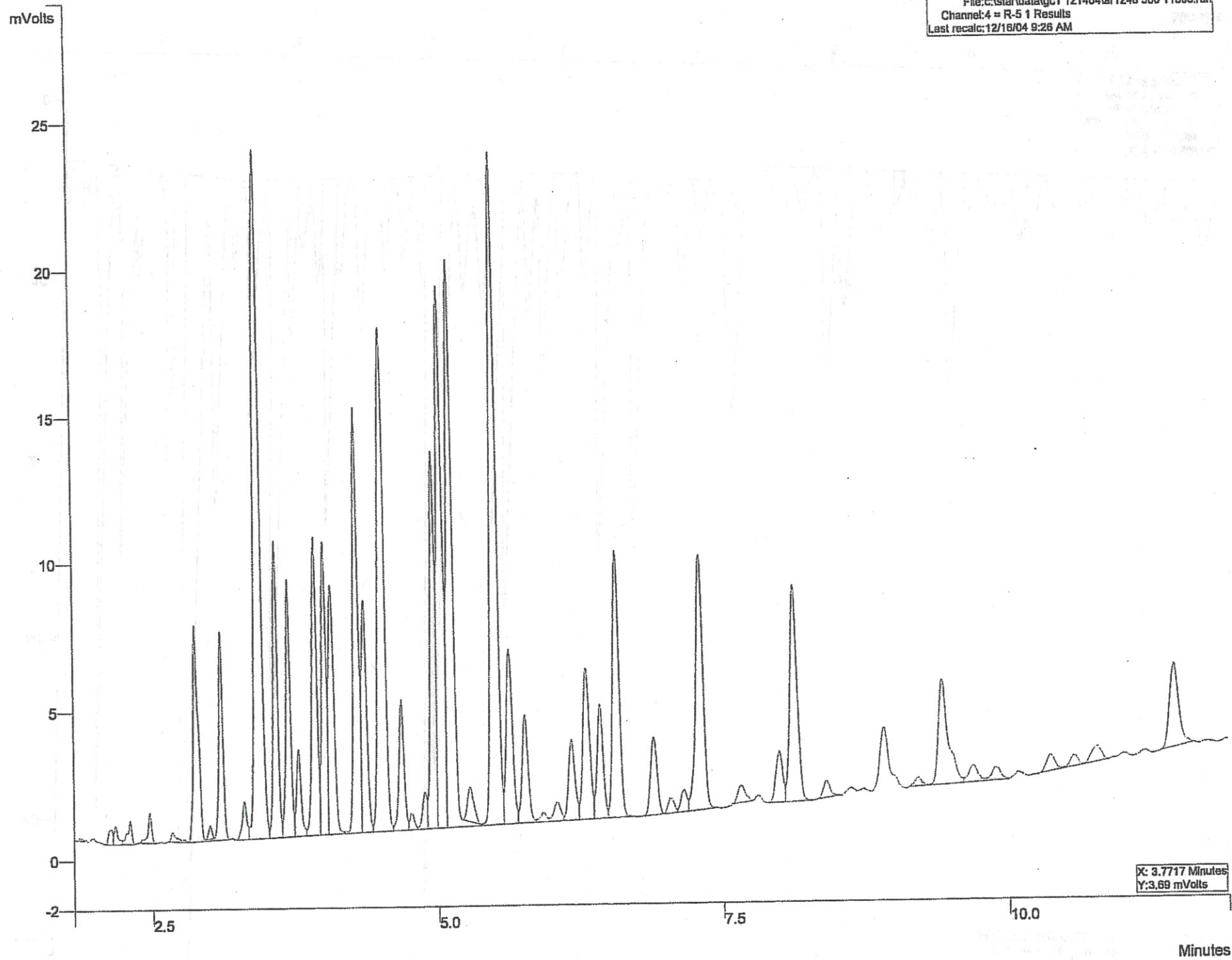
SPECTRA LABORATORIES



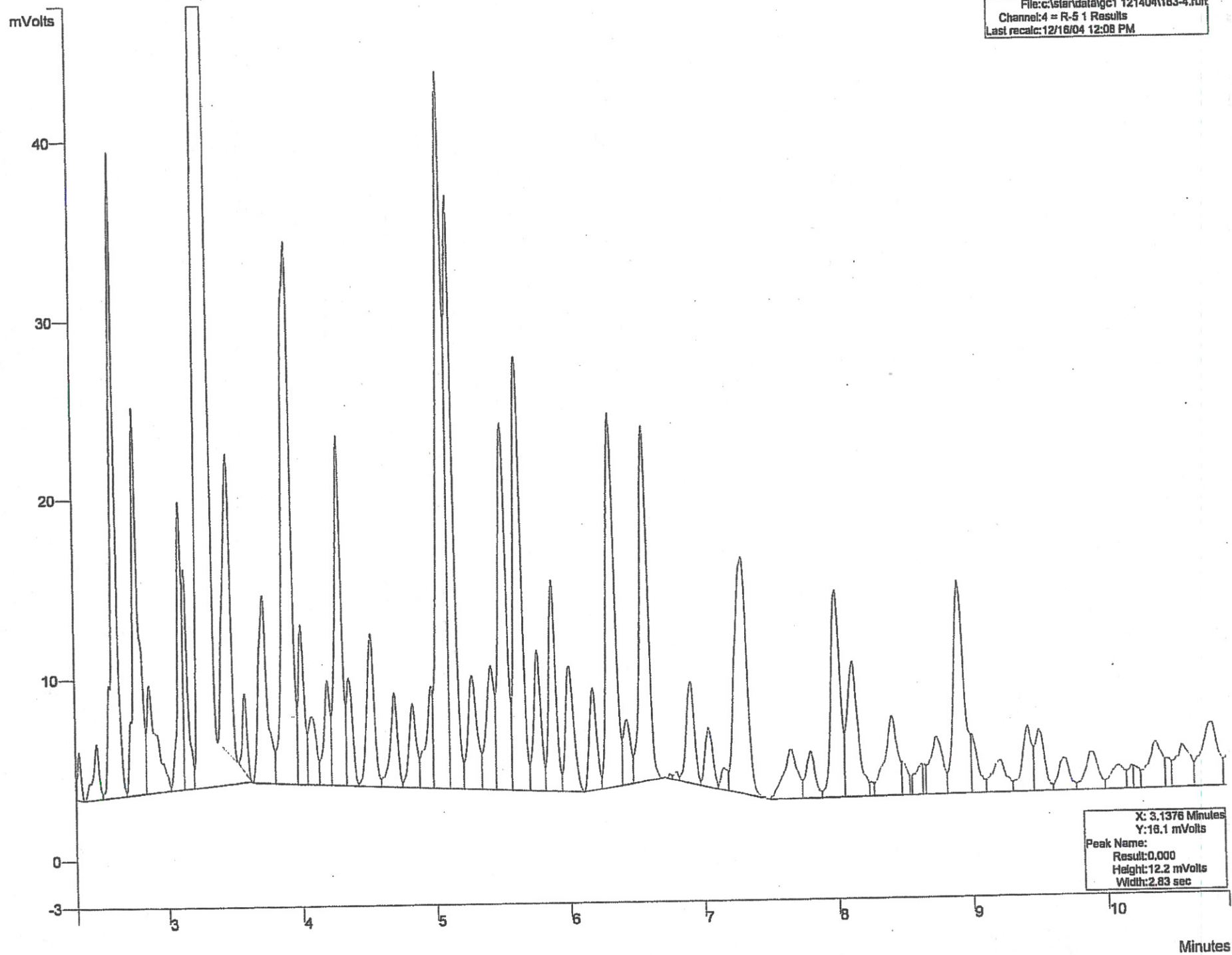
Steve Hibbs, Laboratory Manager  
a8/sgh



File: c:\star\data\gc1 121404\ar1248 500 1106c.run  
Channel: 4 = R-5 1 Results  
Last recal: 12/18/04 9:26 AM

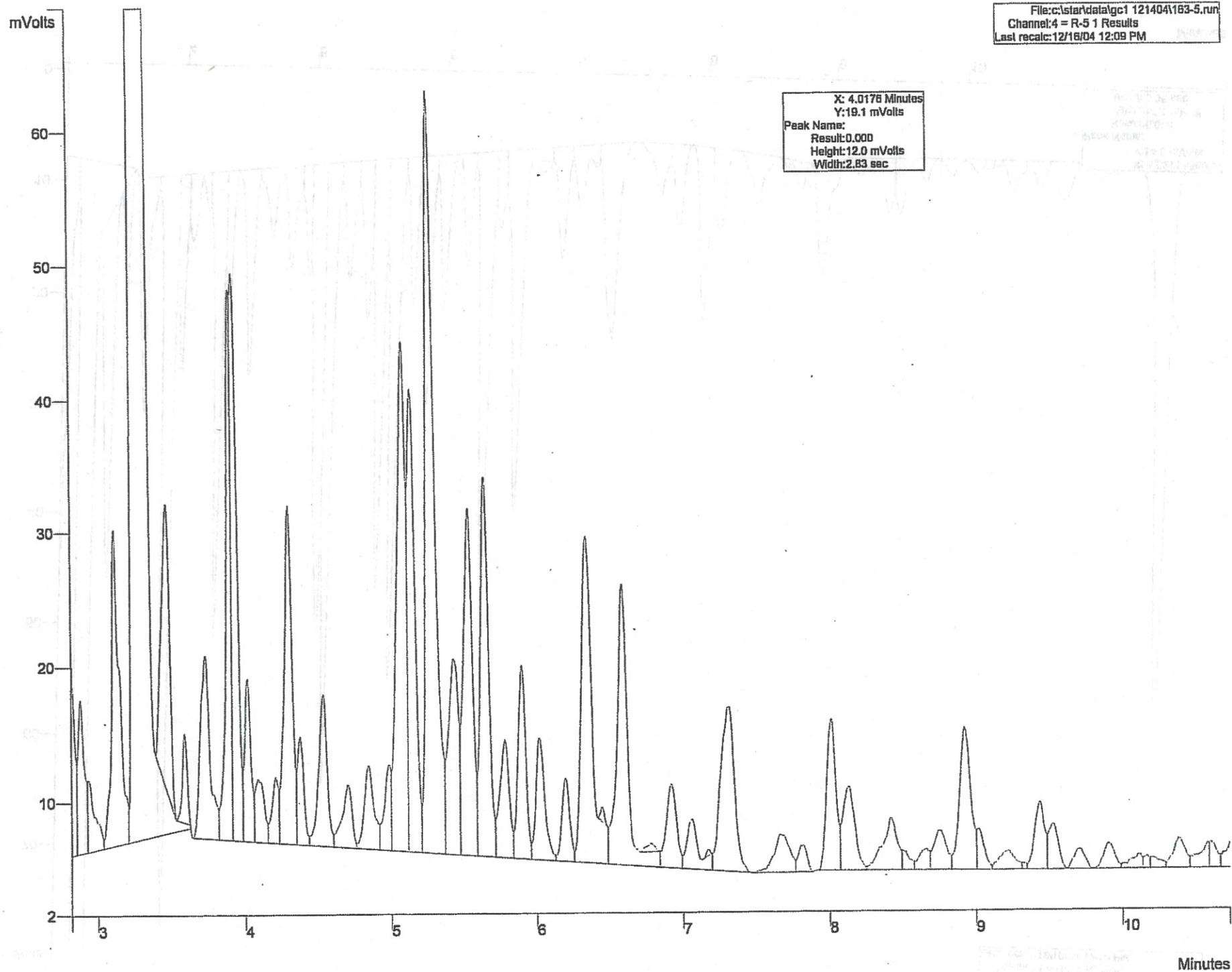


File: c:\star\data\gc1 121404\163-4.run  
Channel: 4 = R-5 1 Results  
Last recal: 12/16/04 12:08 PM

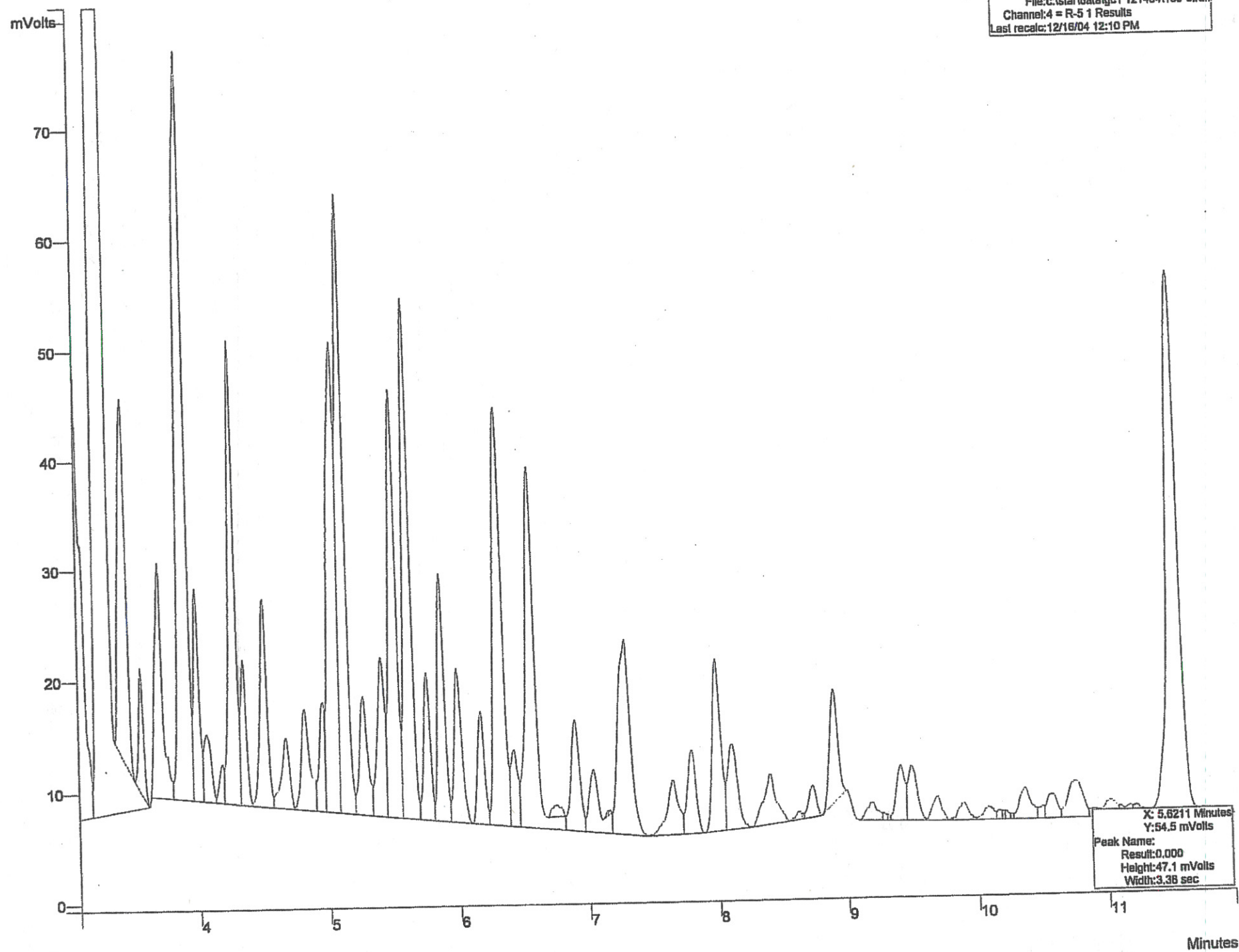


X: 3.1376 Minutes  
Y: 16.1 mVolts  
Peak Name:  
Result: 0.000  
Height: 12.2 mVolts  
Width: 2.83 sec

File: c:\star\data\gc1 121404\163-5.run  
Channel: 4 = R-5 1 Results  
Last recalc: 12/16/04 12:09 PM



File: c:\star\data\gc1 1214041163-8.run  
Channel: 4 = R-5 1 Results  
Last recal: 12/16/04 12:10 PM



# SPECTRA Laboratories

2004120163

## CHAIN of CUSTODY

PAGE 1 of 1

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

STANDARD ☐

RUSH ☒

CLIENT: Przant Associates ADDRESS: 330 6th Avenue #200 Seattle WA 98121

PROJECT: King County Sunny downs

CONTACT: Katja Jacob

PHONE: 206-574-4824 FAX:

e-MAIL: kjacob@przant.com I Prefer FAX ☐ or e-MAIL ☒

PURCHASE ORDER #: pd CC 017783

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	MATRIX	NUMBER	HYDROCARBONS																ORGANICS				METALS				OTHER			
					NWTPH	BTEX	BTX/NWTPH-G	NWTPH-G	NWTPH-Dx	1664 SGT-HEM	1664 HEM	8260/824 VOA	8260 CHLOR SOLVENTS	8270/825 SEMI VOA	PAH/PNA-8270	8082 PCB	TOTAL METALS RCRA8	TOTAL METALS (SPECIFY)	TCLP METALS RCRA 8	TCLP METALS (SPECIFY)	pH 9040/9045	TX/TOX 9076	TURBIDITY	FLASH POINT	BOD	SOLIDS (SPECIFY)						
201-C2-Wood-CL01	12-13-04		wood																													
202 " " " 02	↓		"																													
203 " " " 03			"																													
204-B3-CL-01			foam																													
205- " " -02			↓																													
206- " " -03	↓																															

SPECIAL INSTRUCTIONS/COMMENTS:

	SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME
RELINQUISHED BY	<u>Katja Jacob</u>	<u>Katja Jacob</u>	<u>Przant</u>	<u>12-14-04</u>	<u>9am</u>
RECEIVED BY	<u>Marie Holt</u>	<u>MARIE HOLT</u>	<u>Spectra</u>	<u>12-14-04</u>	<u>9:03</u>
RELINQUISHED BY					
RECEIVED BY					

RETURN SAMPLES ☐ DISPOSE SAMPLES ☐

(Fee Applies)

Payment Terms: Net 30 days. Past due accounts subject to 1 1/2% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other associated costs of collection regardless of whether suit is filed. Spectra Analytical, Inc.



# STL

STL Seattle  
5755 6<sup>th</sup> Street East  
Tacoma, WA 98424

Tel: 253 922 2310  
Fax: 253 922 5047  
[www.stl-inc.com](http://www.stl-inc.com)

## TRANSMITTAL MEMORANDUM

DATE: January 13, 2005

TO: Katja Jacob  
Prezant Associates, Inc.  
330 Sixth Avenue North, Ste. 200  
Seattle, WA 98109

PROJECT: King County Daycare Bellevue, WA

REPORT NUMBER: 125518

TOTAL NUMBER OF PAGES: 20

Enclosed are the test results for twelve samples received at STL Seattle on December 20, 2004.

**Analytical Narrative PCBs:** The percent recovery of decachlorobiphenyl (surrogate compound) for the method blank, blank spike and blank spike duplicate analysis for samples associated with batch PB0879 were slightly outside of quality control acceptance limits. The sample batch was reanalyzed with similar results. All other quality control parameters were within acceptance range.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

A handwritten signature in dark ink, appearing to read "Darla Powell".

Darla Powell  
Project Manager

---

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# STL Seattle

## Sample Identification:

<u>Lab. No.</u>	<u>Client ID</u>	<u>Date/Time Sampled</u>	<u>Matrix</u>
125518-1	207-B1-CL-01	12-17-04 *	solid
125518-2	208-B1-CL-02	12-17-04 *	solid
125518-3	209-B1-CL-03	12-17-04 *	solid
125518-4	210-B4-CL-01	12-17-04 *	solid
125518-5	211-B4-CL-02	12-17-04 *	solid
125518-6	212-B4-CL-03	12-17-04 *	solid
125518-7	213-C2-CL-01	12-17-04 *	solid
125518-8	214-C2-CL-02	12-17-04 *	solid
125518-9	215-C2-CL-03	12-17-04 *	solid
125518-10	216-D2-CL-01-Beam	12-17-04 *	solid
125518-11	217-D2-CL-02-Beam	12-17-04 *	solid
125518-12	218-D2-CL-03-Beam	12-17-04 *	solid

\* - Sampling time not specified for this sample

---

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# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	207-B1-CL-01
Lab ID:	125518-01
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	83.5		60	123
Decachlorobiphenyl	53.7	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.148	
Aroclor 1221	ND	0.148	
Aroclor 1232	ND	0.148	
Aroclor 1242	ND	0.148	
Aroclor 1248	ND	0.148	
Aroclor 1254	1.33	0.148	
Aroclor 1260	ND	0.148	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	208-B1-CL-02
Lab ID:	125518-02
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	61.8		60	123
Decachlorobiphenyl	43.3	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.146	
Aroclor 1221	ND	0.146	
Aroclor 1232	ND	0.146	
Aroclor 1242	ND	0.146	
Aroclor 1248	ND	0.146	
Aroclor 1254	0.496	0.146	
Aroclor 1260	ND	0.146	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	209-B1-CL-03
Lab ID:	125518-03
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	82.6		60	123
Decachlorobiphenyl	56.3	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.144	
Aroclor 1221	ND	0.144	
Aroclor 1232	ND	0.144	
Aroclor 1242	ND	0.144	
Aroclor 1248	ND	0.144	
Aroclor 1254	0.674	0.144	
Aroclor 1260	ND	0.144	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	210-B4-CL-01
Lab ID:	125518-04
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	62.8		60	123
Decachlorobiphenyl	39.9	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.141	
Aroclor 1221	ND	0.141	
Aroclor 1232	ND	0.141	
Aroclor 1242	ND	0.141	
Aroclor 1248	ND	0.141	
Aroclor 1254	0.685	0.141	
Aroclor 1260	ND	0.141	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	211-B4-CL-02
Lab ID:	125518-05
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	60.3		60	123
Decachlorobiphenyl	38.3	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.146	
Aroclor 1221	ND	0.146	
Aroclor 1232	ND	0.146	
Aroclor 1242	ND	0.146	
Aroclor 1248	ND	0.146	
Aroclor 1254	0.938	0.146	
Aroclor 1260	ND	0.146	

# STL Seattle

Client Name: Prezant Associates, Inc.  
 Client ID: 212-B4-CL-03  
 Lab ID: 125518-06  
 Date Received: 12/20/2004  
 Date Prepared: 12/28/2004  
 Date Analyzed: 1/5/2005  
 % Solids  
 Dilution Factor 5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	85.9		60	123
Decachlorobiphenyl	59.3	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.147	
Aroclor 1221	ND	0.147	
Aroclor 1232	ND	0.147	
Aroclor 1242	ND	0.147	
Aroclor 1248	ND	0.147	
Aroclor 1254	1.08	0.147	
Aroclor 1260	ND	0.147	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	212-B4-CL-03
Lab ID:	125518-06
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	85.9		60	123
Decachlorobiphenyl	59.3	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1242	ND	0.147	
Aroclor 1260	ND	0.147	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	213-C2-CL-01
Lab ID:	125518-07
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	90.2		60	123
Decachlorobiphenyl	56.3	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.331	
Aroclor 1221	ND	0.331	
Aroclor 1232	ND	0.331	
Aroclor 1242	ND	0.331	
Aroclor 1248	ND	0.331	
Aroclor 1254	ND	0.331	
Aroclor 1260	ND	0.331	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	214-C2-CL-02
Lab ID:	125518-08
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	90.5		60	123
Decachlorobiphenyl	55.8	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.42	
Aroclor 1221	ND	0.42	
Aroclor 1232	ND	0.42	
Aroclor 1242	ND	0.42	
Aroclor 1248	ND	0.42	
Aroclor 1254	ND	0.42	
Aroclor 1260	ND	0.42	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	215-C2-CL-03
Lab ID:	125518-09
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	90.1		60	123
Decachlorobiphenyl	54	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.447	
Aroclor 1221	ND	0.447	
Aroclor 1232	ND	0.447	
Aroclor 1242	ND	0.447	
Aroclor 1248	ND	0.447	
Aroclor 1254	ND	0.447	
Aroclor 1260	ND	0.447	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	216-D2-CL-01-BEAM
Lab ID:	125518-10
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	95.2		60	123
Decachlorobiphenyl	65.6		65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.755	
Aroclor 1221	ND	0.755	
Aroclor 1232	ND	0.755	
Aroclor 1242	ND	0.755	
Aroclor 1248	ND	0.755	
Aroclor 1254	ND	0.755	
Aroclor 1260	ND	0.755	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	217-D2-CL-02-BEAM
Lab ID:	125518-11
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	2
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	97.7		60	123
Decachlorobiphenyl	65		65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.3	
Aroclor 1221	ND	0.3	
Aroclor 1232	ND	0.3	
Aroclor 1242	ND	0.3	
Aroclor 1248	ND	0.3	
Aroclor 1254	ND	0.3	
Aroclor 1260	ND	0.3	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	218-D2-CL-03-BEAM
Lab ID:	125518-12
Date Received:	12/20/2004
Date Prepared:	12/28/2004
Date Analyzed:	1/5/2005
% Solids	
Dilution Factor	5

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	96.9		60	123
Decachlorobiphenyl	64.9	X9	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.371	
Aroclor 1221	ND	0.371	
Aroclor 1232	ND	0.371	
Aroclor 1242	ND	0.371	
Aroclor 1248	ND	0.371	
Aroclor 1254	ND	0.371	
Aroclor 1260	ND	0.371	

# STL Seattle

Lab ID:   
 Date Received:   
 Date Prepared: 12/28/2004   
 Date Analyzed: 1/4/2005   
 % Solids   
 Dilution Factor 5

Method Blank - PB0879

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	93.9		60	123
Decachlorobiphenyl	57	N	65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.1	
Aroclor 1221	ND	0.1	
Aroclor 1232	ND	0.1	
Aroclor 1242	ND	0.1	
Aroclor 1248	ND	0.1	
Aroclor 1254	ND	0.1	
Aroclor 1260	ND	0.1	

# STL Seattle

## Blank Spike/Blank Spike Duplicate Report

Lab ID:  
Date Prepared:  
Date Analyzed:  
QC Batch ID:

PB0879  
12/28/2004  
1/4/2005  
PB0879

### PCBs by EPA Method 8082

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Aroclor 1242	0	1	1.19	119	1.17	117	-1.7	
Aroclor 1260	0	1	1.11	111	1.1	110	-0.9	

# STL Seattle

## Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:

Lab ID:

Date Prepared:

Date Analyzed:

QC Batch ID:

20-72-01

125553-01

12/28/2004

1/4/2005

PB0879

### PCBs by EPA Method 8082

Compound Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	MSD Result (mg/kg)	MSD % Rec.	RPD	Flag
Aroclor 1242	0	1.2	1.06	88.6	1	87.7	-1	
Aroclor 1260	0	1.2	1.26	105	1.2	104	-0.96	

## DATA QUALIFIERS AND ABBREVIATIONS

- B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).
- B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).
- C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.
- C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.
- C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.
- C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.
- M: GC/MS confirmation was performed. The result derived from the original analysis was reported.
- D: The reported result for this analyte was calculated based on a secondary dilution factor.
- E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.
- J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.
- MCL: Maximum Contaminant Level
- MDL: Method Detection Limit
- RL: Reporting Limit
- N: See analytical narrative
- ND: Not Detected
- X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be \_\_\_\_\_.
- X2: Contaminant does not appear to be "typical" product.
- X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.
- X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.
- X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.
- X5: Matrix spike recovery was not determined due to the required dilution.
- X6: Recovery and/or RPD values for matrix spike/(matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.
- X7: Recovery and/or RPD values for matrix spike/(matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.
- X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.
- X8: Surrogate recovery was not determined due to the required dilution.
- X9: Surrogate recovery outside advisory QC limits due to matrix interference.



# STL

STL Seattle  
5755 6<sup>th</sup> Street East  
Tacoma, WA 98424

Tel: 253 922 2310  
Fax: 253 922 5047  
[www.stl-inc.com](http://www.stl-inc.com)

## TRANSMITTAL MEMORANDUM

DATE: February 2, 2005

TO: K Jacob  
Prezant Associates, Inc.  
330 Sixth Avenue North, Ste. 200  
Seattle, WA 98109

PROJECT: Bellevue Daycare K1360010-00

REPORT NUMBER: 125986

TOTAL NUMBER OF PAGES: 11

Enclosed are the test results for six samples received at STL Seattle on January 26, 2005.

**Analytical Narrative:** A matrix spike could not be performed for this sample batch due to insufficient sample volume available for the quality assurance analysis.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Darla Powell  
Project Manager

---

STL Seattle is a part of Severn Trent Laboratories, Inc.

*This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.*

# STL Seattle

## Sample Identification:

<u>Lab. No.</u>	<u>Client ID</u>	<u>Date/Time Sampled</u>	<u>Matrix</u>
125986-1	301-B1-CL2-01	01-25-05 *	solid
125986-2	302-B1-CL2-02	01-25-05 *	solid
125986-3	303-B1-CL2-03	01-25-05 *	solid
125986-4	304-B4-CL2-01	01-25-05 *	solid
125986-5	305-B4-CL2-02	01-25-05 *	solid
125986-6	306-B4-CL2-03	01-25-05 *	solid

\* - Sampling time not specified for this sample

---

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# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	301-B1-CL2-01
Lab ID:	125986-01
Date Received:	1/26/2005
Date Prepared:	1/28/2005
Date Analyzed:	1/31/2005
% Solids	
Dilution Factor	1

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	91.1		60	123
Decachlorobiphenyl	93.1		65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.0487	
Aroclor 1221	ND	0.0487	
Aroclor 1232	ND	0.0487	
Aroclor 1242	ND	0.0487	
Aroclor 1248	ND	0.0487	
Aroclor 1254	ND	0.0487	
Aroclor 1260	ND	0.0487	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	302-B1-CL2-02
Lab ID:	125986-02
Date Received:	1/26/2005
Date Prepared:	1/28/2005
Date Analyzed:	1/31/2005
% Solids	
Dilution Factor	1

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	87.7		60	123
Decachlorobiphenyl	93.4		65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.0818	
Aroclor 1221	ND	0.0818	
Aroclor 1232	ND	0.0818	
Aroclor 1242	ND	0.0818	
Aroclor 1248	ND	0.0818	
Aroclor 1254	ND	0.0818	
Aroclor 1260	ND	0.0818	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	303-B1-CL2-03
Lab ID:	125986-03
Date Received:	1/26/2005
Date Prepared:	1/28/2005
Date Analyzed:	1/31/2005
% Solids	
Dilution Factor	1

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	87		60	123
Decachlorobiphenyl	90		65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.101	
Aroclor 1221	ND	0.101	
Aroclor 1232	ND	0.101	
Aroclor 1242	ND	0.101	
Aroclor 1248	ND	0.101	
Aroclor 1254	ND	0.101	
Aroclor 1260	ND	0.101	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	304-B4-CL2-01
Lab ID:	125986-04
Date Received:	1/26/2005
Date Prepared:	1/28/2005
Date Analyzed:	1/31/2005
% Solids	
Dilution Factor	1

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	86.5		60	123
Decachlorobiphenyl	87.1		65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.0887	
Aroclor 1221	ND	0.0887	
Aroclor 1232	ND	0.0887	
Aroclor 1242	ND	0.0887	
Aroclor 1248	ND	0.0887	
Aroclor 1254	ND	0.0887	
Aroclor 1260	ND	0.0887	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	305-B4-CL2-02
Lab ID:	125986-05
Date Received:	1/26/2005
Date Prepared:	1/28/2005
Date Analyzed:	1/31/2005
% Solids	
Dilution Factor	1

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	85		60	123
Decachlorobiphenyl	84.6		65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.0611	
Aroclor 1221	ND	0.0611	
Aroclor 1232	ND	0.0611	
Aroclor 1242	ND	0.0611	
Aroclor 1248	ND	0.0611	
Aroclor 1254	ND	0.0611	
Aroclor 1260	ND	0.0611	

# STL Seattle

Client Name:	Prezant Associates, Inc.
Client ID:	306-B4-CL2-03
Lab ID:	125986-06
Date Received:	1/26/2005
Date Prepared:	1/28/2005
Date Analyzed:	1/31/2005
% Solids	
Dilution Factor	1

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	79.6		60	123
Decachlorobiphenyl	84.9		65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.0983	
Aroclor 1221	ND	0.0983	
Aroclor 1232	ND	0.0983	
Aroclor 1242	ND	0.0983	
Aroclor 1248	ND	0.0983	
Aroclor 1254	ND	0.0983	
Aroclor 1260	ND	0.0983	

# STL Seattle

Lab ID:   
 Date Received:   
 Date Prepared: 1/28/2005   
 Date Analyzed: 1/31/2005   
 % Solids   
 Dilution Factor 1

Method Blank - PB0896

## PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
Tetrachloro-m-xylene	97.3		60	123
Decachlorobiphenyl	101		65	126

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Aroclor 1016	ND	0.01	
Aroclor 1221	ND	0.01	
Aroclor 1232	ND	0.01	
Aroclor 1242	ND	0.01	
Aroclor 1248	ND	0.01	
Aroclor 1254	ND	0.01	
Aroclor 1260	ND	0.01	

# STL Seattle

## Blank Spike/Blank Spike Duplicate Report

Lab ID:  
Date Prepared:  
Date Analyzed:  
QC Batch ID:

PB0896  
1/28/2005  
1/31/2005  
PB0896

### PCBs by EPA Method 8082

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Aroclor 1242	0	0.1	0.0987	98.7	0.0952	95.2	-3.6	
Aroclor 1260	0	0.1	0.103	103	0.103	103	0	

## DATA QUALIFIERS AND ABBREVIATIONS

- B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).
- B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).
- C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.
- C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.
- C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.
- C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.
- M: GC/MS confirmation was performed. The result derived from the original analysis was reported.
- D: The reported result for this analyte was calculated based on a secondary dilution factor.
- E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.
- J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.
- MCL: Maximum Contaminant Level
- MDL: Method Detection Limit
- RL: Reporting Limit
- N: See analytical narrative
- ND: Not Detected
- X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be \_\_\_\_\_.
- X2: Contaminant does not appear to be "typical" product.
- X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.
- X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.
- X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.
- X5: Matrix spike recovery was not determined due to the required dilution.
- X6: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.
- X7: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.
- X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.
- X8: Surrogate recovery was not determined due to the required dilution.
- X9: Surrogate recovery outside advisory QC limits due to matrix interference.

**Appendix C: Disposal Documentation of PCB contaminated wastes generated at the  
Surrey Downs Children's Center during the remediation described in this report**

Emergency Contact Telephone Number

CCWH

UNIFORM HAZARDOUS  
WASTE MANIFEST

Generator's US EPA ID No.

Manifest  
Document No.

2. Page

Information in the shaded areas is  
not required by Federal law.

3. Generator's Name and Mailing Address

KING COUNTY  
509 112TH AVENUE SE  
PHOENIX, AZ 85003

Generator's US EPA ID No.

WAH00002500004226

Manifest  
Document No.

0000000000000000

2. Page

1 of 1

Information in the shaded areas is

not required by Federal law.

4. Transporter's Company Name

ONYX ENVIRONMENTAL SVCS LLC

US EPA ID Number

AZD080631369

5. Transporter's Company Name

ONYX SPECIAL SERVICES, INC.

US EPA ID Number

AZD080631369

6. Designated Facility Name and Site Address

ONYX SPECIAL SERVICES, INC.  
5752 WEST JEFFERSON STREET  
PHOENIX, AZ 85043

US EPA ID Number

AZD080631369

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

RM ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID,  
n.o.s. (POLYCHLORINATED BIPHENYLS), 9, UN3077,  
III (POLYCHLORINATED BIPHENYLS)

12. Containers

No.

Type

13. Total

Quantity

14. Unit

Wt/Vol

002 DM 00603

002 DM 00603

002 DM 00603

15. Special Handling Instructions and Additional Information

Primary Emergency Response Number (800) 535-5033

AT-ERG #171 - WPCB

12. Containers

No.

Type

002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

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002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

002 DM 00603

Printed/Typed Name

Jesse Hicker

Signature

Jesse Hicker

Month Day Year

10/13/05

17. Transporter's Acknowledgment of Receipt of Materials

Printed/Typed Name

JASON SEMPSON

Signature

Jason Sempson

Month Day Year

10/13/05

18. Transporter's Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

GENERATOR

TRANSPORTER

FACILITY

FACILITY

230044  
DI34234**ENVIRONMENTAL SERVICES****Customer:**ONYX ENVIRONMENTAL - TUKWILA PAYABLES  
9131 EAST 96TH AVENUE  
HENDERSON, CO 80640**Generator:**KING COUNTY  
609 112TH AVENUE SE  
BELLEVUE, WA 98009**Onyx Special Services, Inc. AZ0000337360**  
**Certificate of Recycling and/or Disposal**  
Manifest/BOL Number: 04226

<u>Type</u>	<u>Quantity</u>	<u>Unit of Measure</u>	<u>Serial Number</u>
Incineration - PCB Ballast	379	P	20
Incineration - PCB Ballast	304	P	21

By accepting the waste products described on the shipping paper referenced above, Onyx Special Services, Inc. certifies to the generator that the transportation, storage, and processing methods employed are in accordance with Onyx permit parameters, the Toxic Substance Control Act, the Resource Conservation and Recovery Act, the Hazardous Materials Transportation Act, the Occupational Health and Safety Act and all applicable federal, state and local laws.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

*Heath Hildebrand*  
General Manager

Date Received: 2/14/05



3602609018 ONYX ENVIRONMENTAL

899 P03  
1/23/05JAN 26 '05 10:59  
1/26/05 10:59Underlying Hazardous Constituent, D Benzene AL-100, 1 INJ Chemical, C-OSHA Lethal Injury  
Constituents

Ramps

Units

PCB LIGHT BALLAST

100.001

100.001

21

CD required per contract

## Other:

- 8 Is the wastestream being imported into the USA? Yes ☐ No ☒
- 9 Does the wastestream contain PCBs regulated by 40CFR? Yes ☒ No ☐  
PCB Concentration 500.00 ppm
- 10 Is the wastestream subject to the Marine Pollutant Regulations? Yes ☐ No ☒
- 11 Is the wastestream subject to Benzene NESHAP? Yes ☐ No ☒  
If yes, is the wastestream subject to Notification/Control Requirements? Yes ☐ No ☒  
Benzene Concentration 00 ppm
- 12 Is the wastestream subject to RCRA subpart CC controls? Yes ☐ No ☒  
Volatile Organic Concentration 00 ppm  
CC Approved Analytical Method? Yes ☐ No ☒  
Generator Knowledge? Yes ☐ No ☒
- 13 Is the wastestream from a CERCLA or state mandated cleanup? Yes ☐ No ☒

## 14 Container Information

## Packaging:

Type/Size: \_\_\_\_\_

Type/Size: \_\_\_\_\_

Shipping Frequency: Units 2.00 Per Day ☐ Per Week ☐ Per Month ☐ Per Qtr ☐ Per Year ☐ One Time ☒  
UOM DRUMS DESCRIPTION: \_\_\_\_\_

## 15 Additional Information

## GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix X or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize sampling of any waste shipment for purposes of recertification.

Joe Hicker  
Name(Print or Type)

(206) 296-1706  
Phone

Jan 26, 2005  
Date

Joe Hicker  
Signature

Project Manager  
Title

## FACILITY NOTIFICATION

If approved for management, ONYX has all the necessary permits and licenses for the waste that has been characterized and identified by this profile

**KING COUNTY SOLID WASTE DIVISION  
WASTE CLEARANCE FORM**

Waste Clearance Number: A0367  
Special Waste Rate

**GENERATOR**

Name and address:

King County Facilities Management  
ADM-ES-0320

Joe Hicker  
296-1706 FAX: 206/296-0186

**RECEIVED**

FEB 02 2005

King County, CPD  
Facilities Management

Source:

609 112th Avenue SE, Bellevue

**WASTE APPROVED FOR DISPOSAL**

Waste type: Asbestos waste

Carpet with low levels of PCB and chrysotile asbestos (3-5 %) contamination. All samples tested below 2 ppm PCBs. Materials below 50 PPM PCBs may be considered for disposal as non-hazardous. State adopted standard WAC 173-340- (PCB mixtures).

Quantity approved for disposal: 1500 lbs

**CONDITIONS OF DISPOSAL**

- Material may be disposed only at the Cedar Hills Landfill.
- Deliver only on Tuesday and Friday, 8:30 a.m. - 3:30 p.m. (Closed on federal holidays.)
- Call Special Waste Unit at 206-296-0494 at least 24 hours prior to delivery.
- Special Waste Techs: Place material in sharps/asbestos area.
- Must be double-bagged in heavy plastic and labeled per PSCAA regulations.
- Asbestos Waste Shipment Record required with each load.

**CLEARANCE SCHEDULE**

Clearance is valid from 1/27/2005 through 11/30/2005

Clearance issued by:

Delivery frequency: One time only



Terri Packard, Environmental Program Coordinator

A copy of this form and payment by check or account must accompany each vehicle at the time of disposal.

HD0412141

3 76104  
Emergency Contact Telephone Number

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

W A H 0 0 0 0 2 5 3 1 0

Manifest  
Document No.

0 4 2 2 4

2. Page 1  
of 1Information in the shaded areas is  
not required by Federal law.

3. Generator's Name and Mailing Address

KING COUNTY  
609 112TH AVENUE SE  
BELLEVUE WA 98009

4. Generator's Phone

5. Transporter 1 Company Name

TRI-STATE MOTOR TRANSIT CO.

8. US EPA ID Number

M O D 0 9 5 0 3 8 9 9 8

7. Transporter 2 Company Name

8. US EPA ID Number

. . . . .

9. Designated Facility Name and Site Address

CHEM WASTE MGT OF NORTHE  
17629 CEDAR SPRINGS LANE  
ARLINGTON OR 97812

10. US EPA ID Number

O R D 0 8 9 4 5 2 3 5 3

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RO ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID,  
D. O. S. (POLYCHLORINATED BIPHENYLS), 9, UN3077,  
III (POLYCHLORINATED BIPHENYLS)

12. Containers  
No. Type

026

B-A

13.  
Total  
Quantity

00026

14.  
Unit  
Wt/Vol

Y

b. ☐ NON-REGULATED MATERIAL PER 40 & 49 CFR (NON-PCB  
BALLASTS), NONE, NONE

001

D-M

00450

P

c.

d.

15. Special Handling Instructions and Additional Information

Primary Emergency Response Number (800)535-5053

A) ERG #171 - WPCB, X002

B) NONE

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Joe Hicker - King County

Signature

Joe Hicker

Month Day Year

10/13/105

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Dan Reiman

Signature

Dan Reiman

Month Day Year

10/13/105

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . . . .

19. Discrepancy Indication Space

Ib-coded waste code per Chris Brown layk mmm 2-45

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Michelle Brandt

Signature

Michelle Brandt

Month Day Year

10/20/105

GENERATOR

TRANSPORTER

FACILITY

## Emergency Contact Telephone Number

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WAH000025310	Manifest Document No. 04224	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
GENERATOR	3. Generator's Name and Mailing Address KING COUNTY 609 112TH AVENUE SE BELLEVUE WA 98009			A. State Manifest Document Number TUK04224		
	4. Generator's Phone			B. State Generator's ID		
	5. Transporter 1 Company Name TRI-STATE MOTOR TRANSIT CO.			C. State Transporter's ID		
	6. US EPA ID Number M000950389			D. Transporter's Phone (800) 234-8765		
	7. Transporter 2 Company Name			E. State Transporter's ID		
TRANSPORTER	8. US EPA ID Number			F. Transporter's Phone		
	9. Designated Facility Name and Site Address CHEM WASTE MGT OF NORTHWE 17629 CEDAR SPRINGS LANE ARLINGTON OR 97812			G. State Facility's ID		
	10. US EPA ID Number ORD089452353			H. Facility's Phone (503) 454-2640		
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers		13. Total Quantity
	14. Unit Wt/Vol			15. Waste No.		
	HM		No.	Type		
a.	X	RM ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, n.o.s. (POLYCHLORINATED BIPHENYLS), 9, UN3077, III (POLYCHLORINATED BIPHENYLS)	026	B-A	00026	Y
b.		NON-REGULATED MATERIAL PER 40 & 49 CFR (NON-PCB BALLASTS), NONE, NONE	001	D-H	00450	P
c.						
d.						
Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Primary Emergency Response Number (800) 535-5053 A) ERG #171 - WPCB, X002 B) NONE						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Joe H. Kist King County			Signature [Signature]		Month Day Year 10/21/00	
17. Transporter 1 Acknowledgement of Receipt of Materials			Printed/Typed Name D. R. Kist		Signature [Signature]	
18. Transporter 2 Acknowledgement of Receipt of Materials			Printed/Typed Name		Signature	
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name			Signature		Month Day Year	

GENERATOR'S COPY



PCB Debris

CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC  
FEDERAL EPA ID#: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

KING COUNTY  
WAH000026310  
609 112TH AVE SE  
BELLEVUE WA 98004-6411

**CERTIFICATE OF DISPOSAL**

Chemical Waste Management of the Northwest, Inc. has received the following waste material and certifies that the material has been landfilled in accordance with 40 CFR part 761 as it pertains to the land disposal of Polychlorinated Biphenyl contaminated materials.

GENERATOR:	KING COUNTY
MANIFEST #:	04224
LINE ITEM:	11a
PROFILE #:	C14763
CWM TRACKING ID:	378104-01
RECEIVED DATE:	2/1/2005

<u>DRUM #(S)</u>	<u>DISPOSAL DATE</u>	<u>DISPOSAL LOCATION</u>
KC1	2/9/2005	LANDFILL 12
KC2	2/9/2005	LANDFILL 12
KC3	2/9/2005	LANDFILL 12
KC4	2/9/2005	LANDFILL 12
KC5	2/9/2005	LANDFILL 12
KC6	2/9/2005	LANDFILL 12
KC7	2/9/2005	LANDFILL 12
KC8	2/9/2005	LANDFILL 12
KC9	2/9/2005	LANDFILL 12
KC10	2/9/2005	LANDFILL 12
KC11	2/9/2005	LANDFILL 12
KC12	2/9/2005	LANDFILL 12
KC13	2/9/2005	LANDFILL 12
KC14	2/9/2005	LANDFILL 12
KC15	2/9/2005	LANDFILL 12



<u>DRUM #(S)</u>	<u>DISPOSAL DATE</u>	<u>DISPOSAL LOCATION</u>
KC16	2/9/2005	LANDFILL 12
KC17	2/9/2005	LANDFILL 12
KC18	2/9/2005	LANDFILL 12
KC19	2/9/2005	LANDFILL 12
KC20	2/9/2005	LANDFILL 12
KC21	2/9/2005	LANDFILL 12
KC22	2/9/2005	LANDFILL 12
KC23	2/9/2005	LANDFILL 12
KC24	2/9/2005	LANDFILL 12
KC25	2/9/2005	LANDFILL 12
KC26	2/9/2005	LANDFILL 12

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

*Nicol D Wypcover*

CWMNW RECORDS DEPARTMENT  
Certificate # 120911  
Date 2/14/2005

*Non-PCB Ballasts*

CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST, INC  
FEDERAL EPA ID#: ORD089452353  
17629 CEDAR SPRINGS LANE  
ARLINGTON, OR 97812

KING COUNTY  
WAH000025310  
809 112TH AVE SE  
BELLEVUE WA 98004-6411

**CERTIFICATE OF DISPOSAL**

Chemical Waste Management of the Northwest, Inc. has received the following waste material:

GENERATOR:	KING COUNTY
MANIFEST #:	04224
LINE ITEM:	11b
PROFILE #:	G14784
CWM TRACKING ID:	376104-02
RECEIVED DATE:	2/1/2005
DISPOSAL PROCESS(ES):	DIRECT LANDFILL
DISPOSAL DATE:	2/9/2005
FINAL DISPOSAL LOCATION:	LANDFILL 12
QUANTITY:	1 OM

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste material was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Nicol A. Wiscover*

CWMNW RECORDS DEPARTMENT  
Certificate # 120912  
Date 2/14/2005

**KING COUNTY SOLID WASTE DIVISION  
WASTE CLEARANCE FORM****Waste Clearance Number: R1130**  
**Basic Rate****GENERATOR**

Name and address:

King County Facilities Management  
609 112th Avenue SE  
Bellevue, WAJoe Hicker  
FAX: 296-0186

Source:

Same

**WASTE APPROVED FOR DISPOSAL**

Waste type: Other waste

Carpet with low levels of PCB contamination. All samples tested below 2 ppm.  
Materials below 50 PPM PCBs may be considered for disposal as non-hazardous.  
State adopted standard WAC 173-340-(PCB mixtures).

Quantity approved for disposal: 500 lbs

**CONDITIONS OF DISPOSAL**

- Material may be disposed only at the Cedar Hills Landfill.
- Deliver Monday through Friday, 8:00 a.m. - 3:00 p.m.
- Call Special Waste Unit at 206-296-0494 at least 24 hours prior to delivery.
- Must be double-bagged in heavy plastic.
- Special Waste Techs: Place material in sharps/asbestos area.
- Must be able to unload without assistance from landfill personnel.

**CLEARANCE SCHEDULE**

Clearance is valid from 12/27/2004 through 3/27/2005

Clearance issued by:

Delivery frequency: One time only

  
Terri Packard, Environmental Program Coordinator**A copy of this form and payment by check or account must  
accompany each vehicle at the time of disposal.**

HD0412141

**KING COUNTY SOLID WASTE DIVISION  
WASTE CLEARANCE FORM**

Waste Clearance Number: A0367  
Special Waste Rate

**GENERATOR**

Name and address:

King County Facilities Management  
ADM-ES-0320

Joe Hicker  
296-1706 FAX: 206/296-0186

**RECEIVED**

FEB 02 2005

King County, CPD  
Facilities Management

Source:

609 112th Avenue SE, Bellevue

**WASTE APPROVED FOR DISPOSAL**

Waste type: Asbestos waste

Carpet with low levels of PCB and chrysotile asbestos (3-5 %) contamination. All samples tested below 2 ppm PCBs. Materials below 50 PPM PCBs may be considered for disposal as non-hazardous. State adopted standard WAC 173-340- (PCB mixtures).

Quantity approved for disposal: 1500 lbs

**CONDITIONS OF DISPOSAL**

- Material may be disposed only at the Cedar Hills Landfill.
- Deliver only on Tuesday and Friday, 8:30 a.m. - 3:30 p.m. (Closed on federal holidays.)
- Call Special Waste Unit at 206-296-0494 at least 24 hours prior to delivery.
- Special Waste Techs: Place material in sharps/asbestos area.
- Must be double-bagged in heavy plastic and labeled per PSCAA regulations.
- Asbestos Waste Shipment Record required with each load.

**CLEARANCE SCHEDULE**

Clearance is valid from 1/27/2005 through 11/30/2005

Clearance issued by:

Delivery frequency: One time only



Terri Packard, Environmental Program Coordinator

A copy of this form and payment by check or account must accompany each vehicle at the time of disposal.

HD0412141